

Travis Saunders

From: Patrick Yamashita
Sent: Monday, September 21, 2015 8:14 AM
To: Travis Saunders
Subject: Mercer Island Treehouse LLC (5637 EMW)

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Travis,

I've reviewed the Level 1 Storm Drainage Downstream Analysis for the Mercer Island Treehouse (Bill Summers) site. My comments are below including reference to several typos. I have also written my comments directly in the analysis.

1. Pg. 1-1: The project address is shown as 5367 East Mercer Way. This is not correct. It is "5637".
2. Pg. 2-1 (Section 2.1): The tributary area is identified as 10.8 acres. The south boundary of the drainage basin appears incorrect. It should be further south based on topography.
3. Pg. 2-1 (Section 2.2): Typo ("recourses" and "Residenc").
4. Pg. 2-4 (Section 2.2.4): The description of drainage complaint #3 is not correct. It refers to a catch basin being enlarged and the outlet pipe being upsized from 6" to 12". To be more accurate, sediment from the basin was removed. The basin was not enlarged. The outlet pipe was not enlarged but rather, the vertical "standpipe" according to the work order was enlarged. Enlargement of the standpipe does not increase outlet capacity.
5. Pg. 2-5 (Section 2.3): This section describes the field inspection. Normally, photos are provided to support the written text. However, no photos were provided.
6. Pg. 2-7 (Section 2.3.1): Typo in the date of "2102". I assume that it should be "2012".
7. Pg. 2-9 (Section 2.4): Indicates that the scale of the project's improvements is not anticipated to impact the capacity of the drainage systems. However, it is clear from the work orders that the downstream basins fill up with sediment. Although it is not specifically stated, I note that the project could increase downstream erosion/sediment transport if stormwater detention is not provided.
8. Appendix A: Re-examine the delineation of the south basin boundary.
9. Appendix B: The drainage complaint log should be labelled consistently with the drainage complaints map.

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